



ULTRAVIEW

## User Manual

▶ Innovative LCD Display Solutions

*AP—17W / AP-17WT*

*DP—17W / DP-17WT*

*OP—17W / OP-17WT*





# 1. Table of Content

**1. Table of Content**..... Page.1

**2. Introduction**

    A) Overview..... Page.2

    B) Features..... Page.2

    C) Dimension Diagrams..... Page.3-5

    D) Technical Specifications..... Page.6

**3. Installation**

    A) Package Contents..... Page.7

    B) Caution to the user..... Page.7

    C) Cleaning..... Page.7

    D) Precautions..... Page.8-9

**4. Using the System**

    A) Product Views..... Page.10-12

    B) I/O Outlet..... Page.13

    C) Installation Procedures..... Page.14

    D) Setup Touchscreen (Optional)..... Page.15

        i) For Windows..... Page.15

        ii) For DOS..... Page.16-18

    E) OSD Switch..... Page.19

    F) OSD Control..... Page.20-27

    G) Remote Control (Optional)..... Page.28

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## 2. Introduction

### A. Overview

This LCD monitor incorporates 26"color active matrix thin-film-transistor (TFT) liquid crystal display to provide superior display performance. A maximum resolution of 1,280 x 768 is ideal for displaying complex graphics and high definition images. Other outstanding designs that enhance this LCD monitor's performance are Plug & Play compatibility and OSD (On Screen Display) controls.

### B. Features

- High contrast color TFT LCD display, support resolution up to 1280 x 768.
- Advanced OSD control for picture quality adjustment.
- Slim and compact size
- Wide Viewing Angle

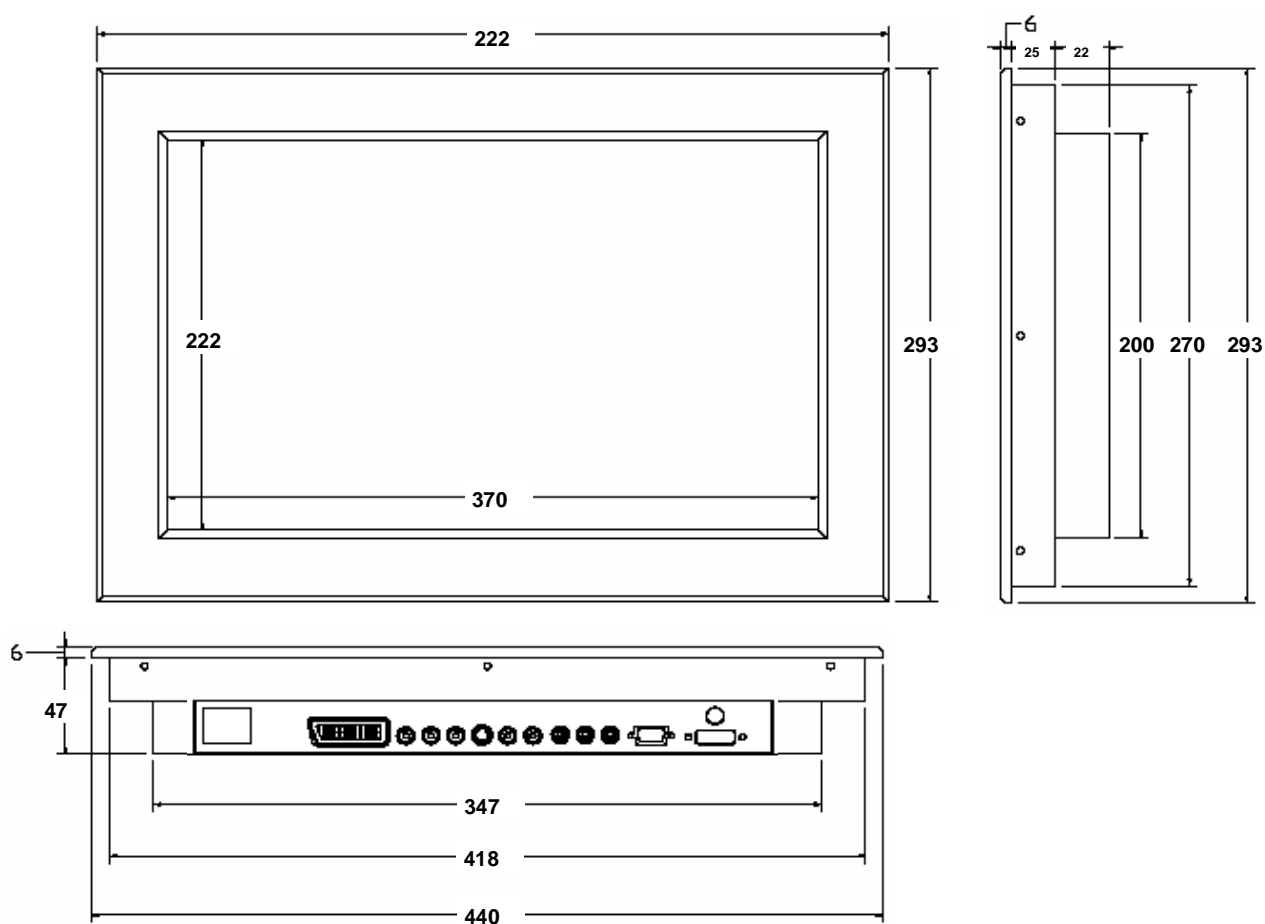
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## 2. Introduction

### C. Dimension Diagrams

#### AP-17WT series



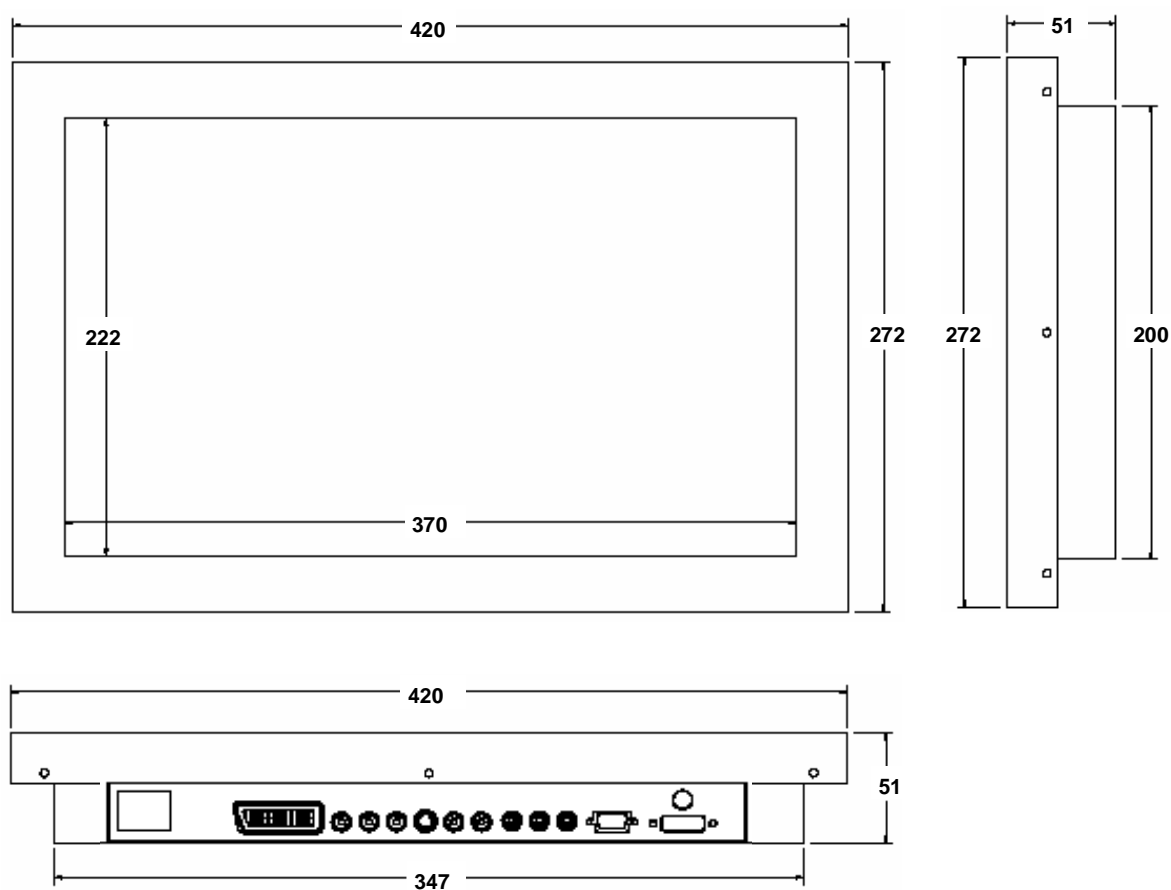
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## 2. Introduction

### C. Dimension Diagrams

#### DP-17WT series



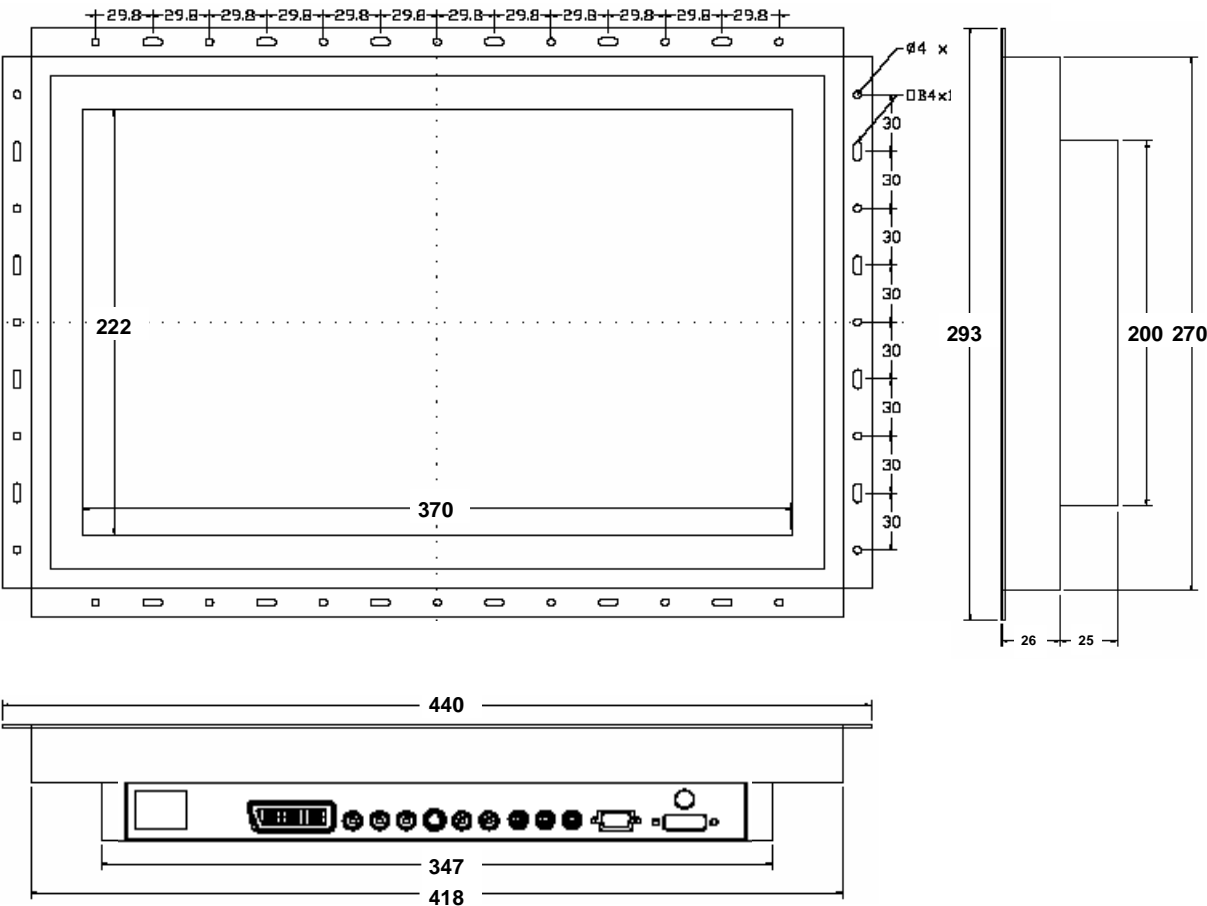
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# 2. Introduction

## C. Dimension Diagrams

### OP-17WT series



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## 2. Introduction

Technical Specifications		
Monitor	Panel	SamSung 17" Widescreen LCD Panel
	Display Type	TFT LCD active matrix color
	Resolutions	1,280 x 768
	Response Time	Tr=5ms, Tf=20ms
	Contrast Ratio	400:1 typical
	Brightness	450 cd/m <sup>2</sup> typical
	Pixel Pitch	0.2895 x 0.2895 mm
	Panel Color	16.2M display color
	Viewing Angle	70 / 70 / 50 / 60 (L / R / U / D)
	Storage Temp.	-20° to 60°C
	Operating Temp.	0° to 50°C
	MTBF	50,000 hours (Min.)
Power Supply	Power Supply	External Power Supply, 12VDC, 5A
	Cable Length from mains plug to adapter	182cm
	Cable Length from adapter Unit	180cm
	Power Socket	IEC 320
Connectors	Scart Video	Scart 21-pin (female) x 1
	RCA Video	Composite Video (female) x 1
	RCA Audio	Composite Audio (female) x 2 in/out
	S-video	S-video (female) x 1
	Component Video	Component (Y/Pb/Pr) x 1
	VGA	HDD D-sub 15 Pin (female) x 1
	DVI-D	DVI-D x 1
	RF TV Antenna	Available in television model only
Product Dimension	AP Series : 440(W) x 293(H) x 53(D) mm DP Series : 420(W) x 270(H) x 51(D) mm OP Series : 440(W) x 293(H) x 51(D) mm	
Packing Dimension	AP / DP / OP Series : 570(W) x 425(H) x 160(D) mm	
Net / Gross Weight	AP Series : 10 Kg / 15 Kg DP Series : 8 Kg / 13 Kg OP Series : 8 Kg / 13 Kg	

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## 3. Installation

### A. Package Contents

After unpacking the carton, check and see if the following items are included in good condition. Contact your supplier as soon as possible for replacing the missing / damaged items.

- 17" TFT LCD monitor
- 12VDC Power Adaptor
- VGA Cable (Male to Male)
- RCA Cable
- S-Video Cable
- Power Cord
- Mounting Bracket (AP Series only)
- User Manual
- CD Disc

### B. Caution to the users

To assure continued FCC compliance, please use grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. If a BNC cable is going to be used, use only a shielded BNC (5) cable. Also, The Federal Communications Commission warns the user that any unauthorized changes or modifications to the unit if not expressly approved by the party responsible for compliance could void the user's authority of operating the equipment.

### C. Cleaning

1. Gently wipe screen with a clean camel hair lens brush, or a soft, clean, lint-free cloth. This removes dust and other particles that can scratch the screen.
2. Do not apply excessive pressure to the screen surface when wiping it clean because this may damage the LCD.
3. Do not pour or spray any liquid directly onto the screen or case of the LCD monitor. Chemical cleaners have been reported to damage the screen or case of the LCD monitor.

## 3. Installation

### D. Precautions

Read all of these instructions and save them for later use. Follow all warnings and instructions on the product.

#### Product

- Do not cover or block the vent holes in the case.
- Do not insert sharp objects or spill liquid into the LCD monitor through cabinet slots. They may cause accident fire, electric shock or failure.
- Disconnect the power plug from the AC outlet if you will not use it for an indefinite period of time.
- Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks.
- Do not touch the screen directly with your fingers. You may damage the screen, and oil from your skin is difficult to move.
- Do not apply pressure to screen. The LCD is very delicate.

#### Power

1. Use the type of power indicated on the marking label.

#### Plugs

1. Do not remove any of the prongs of the monitor's three-pronged power plug.
2. Disconnect the power plug from the AC outlet under following conditions :
  - If the product will not be used for an indefinite period time.
  - When the power cord or plug is damaged or frayed.
  - If the product does not operate normally when the operating instructions are followed.
  - Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
  - If the product has been dropped or the cabinet has been damaged.
  - If the product exhibits a distinct change in performance, indicating a need for service.

## 3. Installation

### D. Precautions (Cont.)

#### Power and extension cords

1. Do not allow anything to rest on the power cord.
2. Do not locate this product where persons will walk on the cord.
3. Use the proper power cord with correct attachment plug type. If the power source is 120V AC, use a power cord that has UL and C-UL approvals. If the power source is a 240V AC supply, use the tandem (T blade) type attachment plug with ground conductor power cord that meets the respective European country's safety regulations, such as VDE for Germany.
4. Do not overload wall outlets or power cords. Ensure that the total of all units plugged into the wall outlet does not exceed 10 amperes.
5. Ensure that the total ampere ratings on all units plugged into the extension cord is not above the cord's rating.
6. If the power supply cord, which came with your monitor, is to be connected to the PC instead of the wall outlet, this equipment is to be used with UL/TÜV approved computers with receptacle rated 100~240V AC, 50/60Hz, 1.0A(minimum).

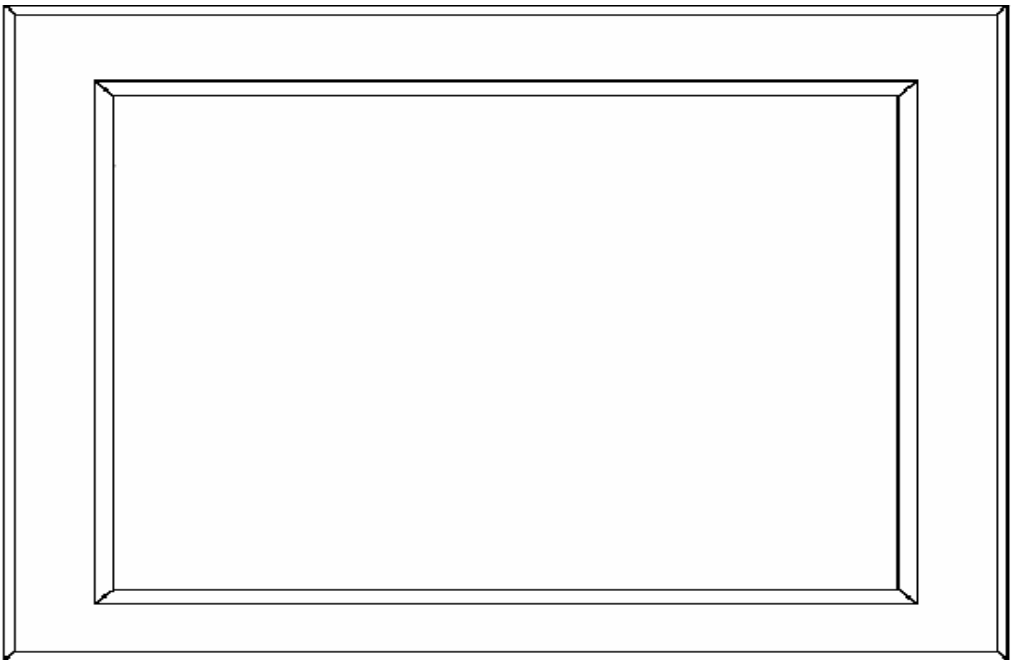
#### Environment

1. Place the monitor on a flat and leveled surface.
2. Place the monitor in a well-ventilated place.
3. Keep the monitor away from : Overly hot, cold or humid places, places directly under sunlight, dusty surroundings, equipment that generate strong magnetic fields.

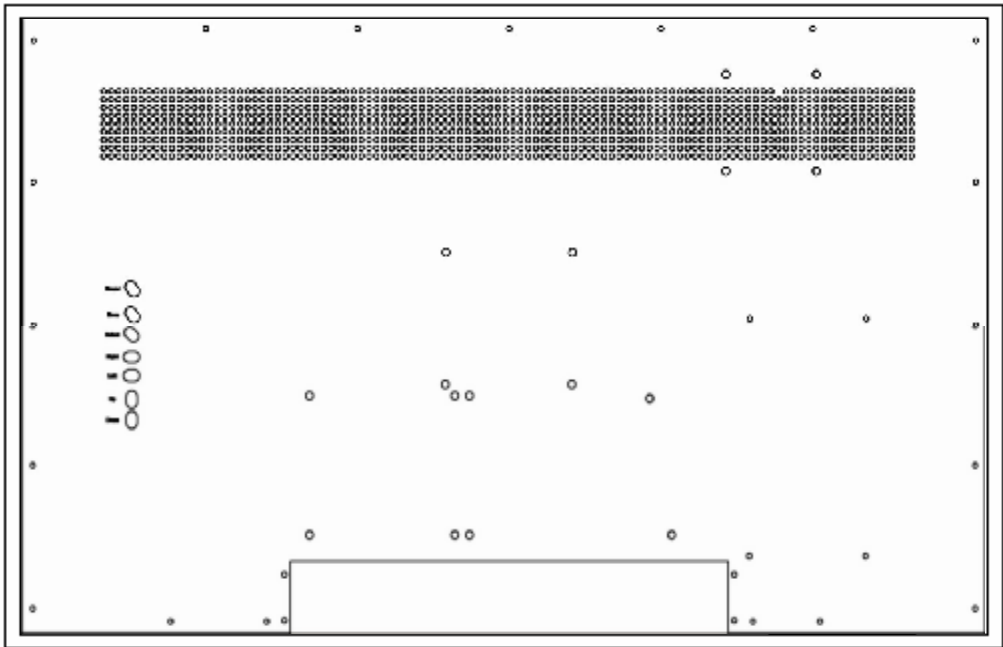
# 4. Using the System

## A. Product Views

### AP Series - Front View



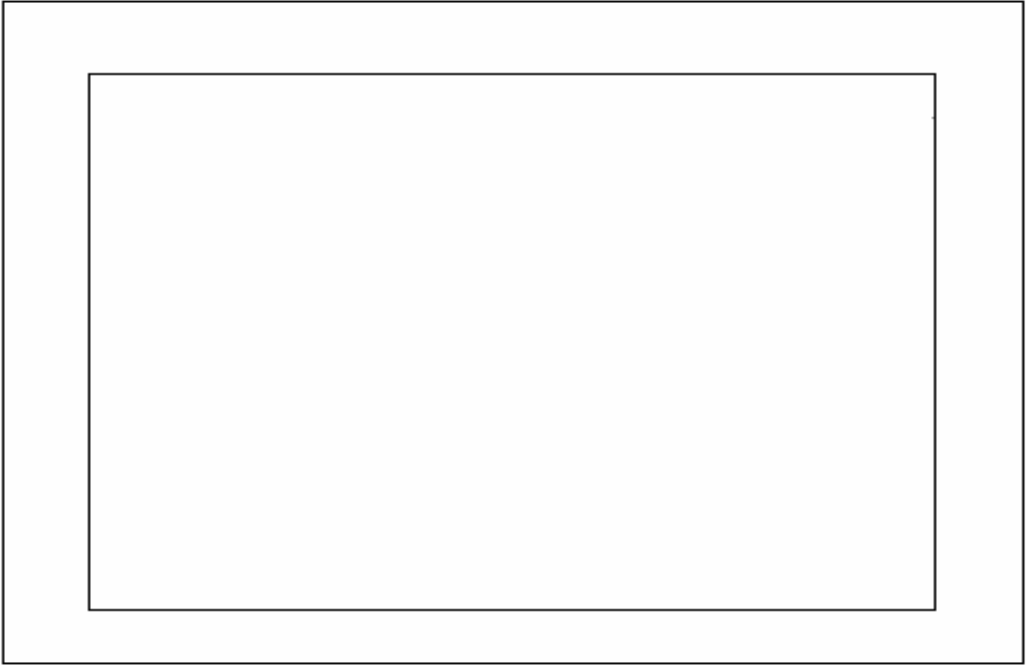
### AP Series - Rear View



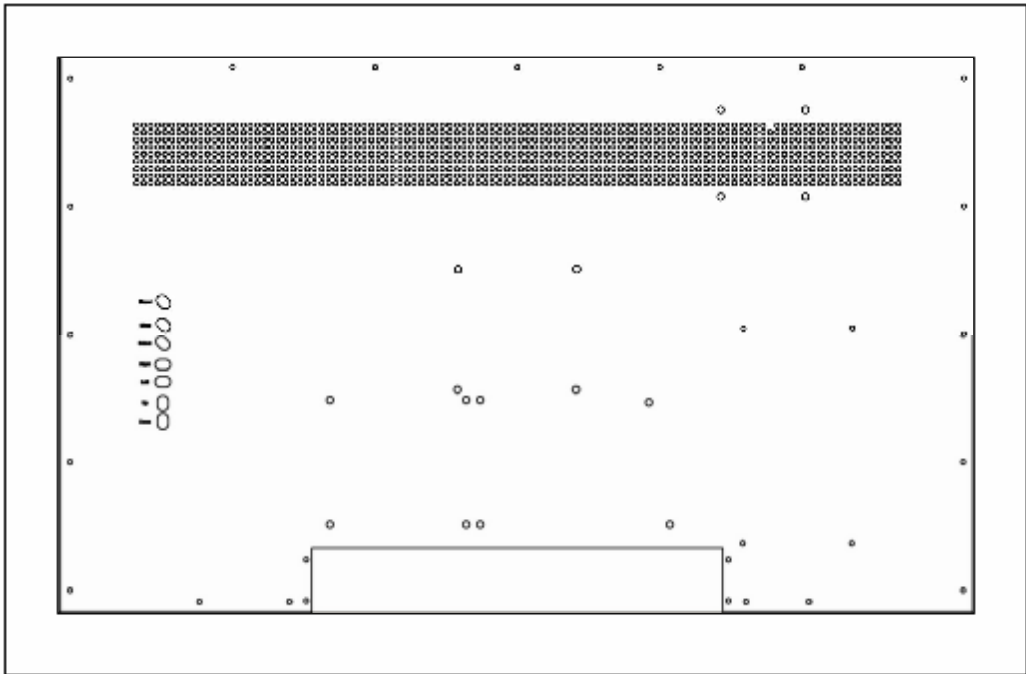
# 4. Using the System

## A. Product Views (Cont.)

### DP Series - Front View



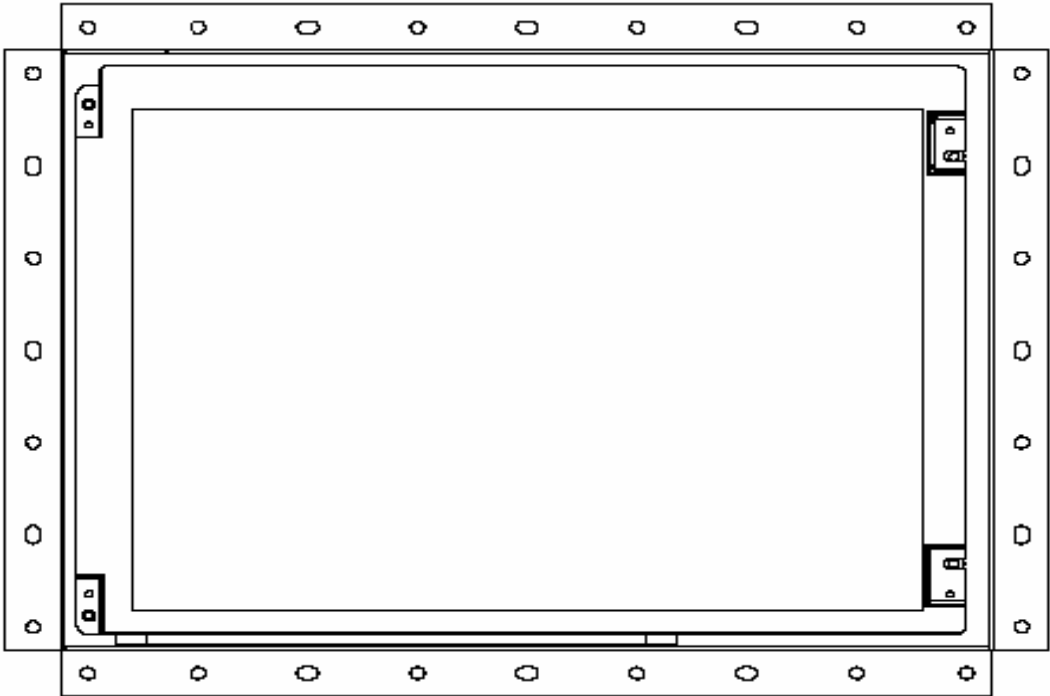
### DP Series - Rear View



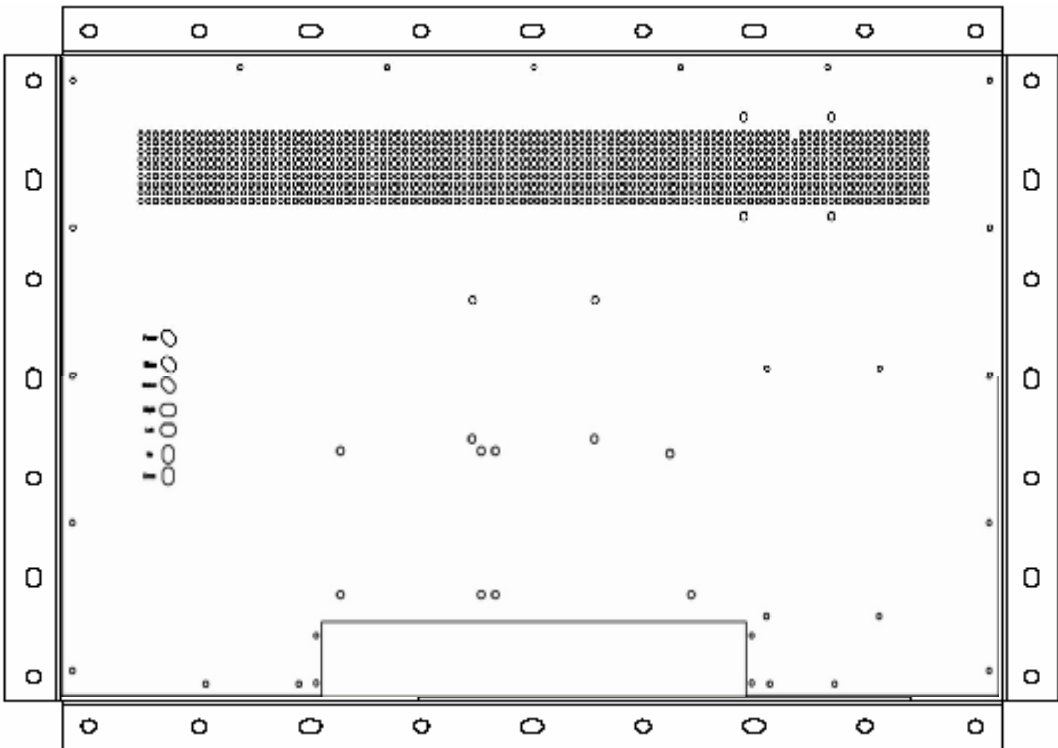
# 4. Using the System

## A. Product Views (Cont.)

### OP Series - Front View

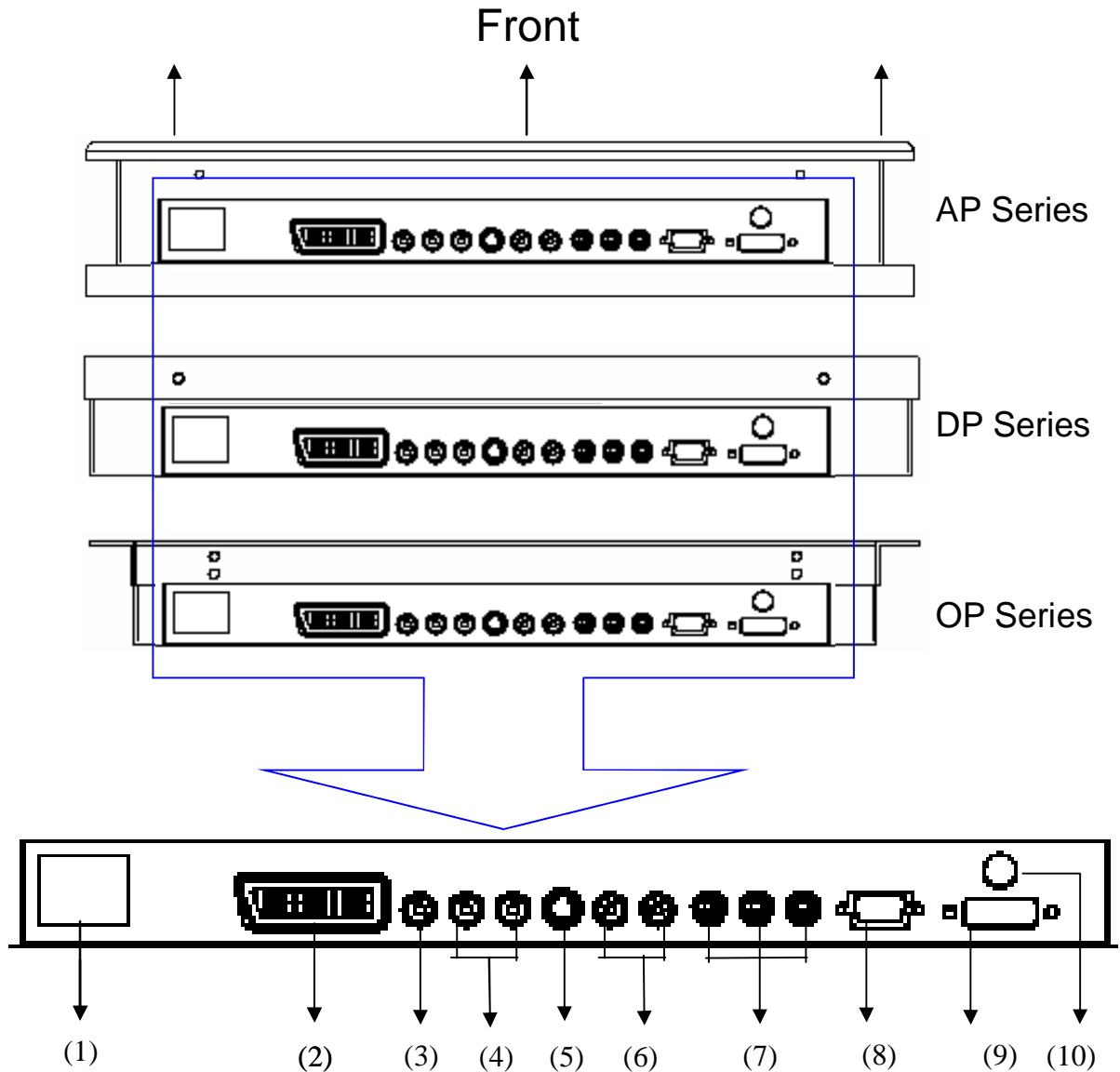


### OP Series - Rear View



## 4. Using the System

### B. I/O Outlet



- |                        |   |
|------------------------|---|
| (1) AC IN              | : Connect to power cord.                        |
| (2) SCART IN           | : Connect to 21pin Scart connector.             |
| (3) RCA IN             | : Connect to the composite RCA video connector. |
| (4) Audio IN           | : Connect to the RCA audio connectors.          |
| (5) S-Video IN         | : Connect to the S-video connector.             |
| (6) Audio OUT          | : Connect to the RCA audio connectors.          |
| (7) Component Video IN | : Connect to Component Video connectors.        |
| (8) VGA IN             | : Connect to the 15pin sub-D connector.         |
| (9) DVI-D IN           | : Connect to the DVI-D connector.               |
| (10) Antenna IN        | : Connect to the TV antenna connector.          |

## 4. Using the System

### C. Installation Procedures

This monitor is equipped with an auto-sensing power supply for voltage ranges 100~240V, 50~60Hz. Please follow the following instruction to install LCD monitor.

1. Make sure that the system power is turned off.
2. Plug the signal cable to the signal connector at the rear of PC and the rear of the LCD monitor.
3. Plug the power cord to the rear view of the LCD and switch on.
4. Connect the power cord to power source.
5. Turn on the computer and the monitor.
6. Then push the OSD menu button and use the Auto Adjust function to fine the best mode of your computer.



## 4. Using the System

### D. Setup Touchscreen

Touchscreen used for UltraView products are manufactured by 3M. Here provide TouchWare™ Software includes touch screen drivers for your installing.

**Note:** To configure the settings of the touchscreen, please refer to the TouchWare™ User Guideline

**Note:** If you have a Microsoft® IntelliPoint® or Kensington® Mousework® PS/2 mouse, installing TouchWare™ software will disable the special mouse functionality of these devices

### For Windows 95, 98, Me, NT4.0, 2000 & XP

1. Open the driver CD provided along with the product or download the driver from our Website.
2. Make sure you have completed the appropriate hardware connections.
3. Power on your system. Make sure no other application are opened.
4. Double click the “**TW564SR4.exe**” files.
5. Unzip the file and save it in a default folder

**Note:** Remember the path of the default folder or create a new folder by your decision.

6. Follow the onscreen instructions to begin the installation.

**Note:** Choose Express option for automatically installs the required TouchWare™ software files, create a TouchWare™ software program files, and place a TouchWare™ software icon on the Windows desktop and control panel. TouchWare™ will also determine multiple monitor configurations at this time.

**Note:** For details of Custom option, please refer to the website of 3M and download the user guide of TouchWare™ software.  
([http:// www.3m.com/3MTouchSystems/downloads/tecdoc.jhtml](http://www.3m.com/3MTouchSystems/downloads/tecdoc.jhtml))

## 4. Using the System

### D. Setup Touchscreen

#### For Windows 95, 98, Me, NT4.0, 2000 & XP (Cont.)

7. Once installation is complete, restart the system. As the system restarts, Windows detects and loads the driver.

- For serial controllers, restart the system. As the system restarts, Windows detects and load the driver

**Note:** This step is not necessary for Windows 2000 or above system, The driver loads automatically.

- For USB controllers, connect the touch screen cable to the USB port in your computer. After a few seconds, the system beeps to indicate it has detected the touch screen and loaded the driver.

#### For DOS

When you install Touchware from DOS, the Install program only loads the touchscreen files specific to DOS. The installation includes the following files:

- Touchscreen driver for DOS
- Touchscreen control panel for DOS
- Pen Configuration utility for DOS
- Microcal Diagnostic utility
- ThruGlass control panel for DOS
- DOS help files

If you do not plan to use any of the touchscreen files for windows, you may want to install just the DOS touchscreen files.

1. Open the driver CD provided along with the product or download the driver from our Website.
2. Make sure you have completed the appropriate hardware connections. If not, the Install program cannot properly configure the touchscreen.
3. Close all applications and exit from Windows.
4. Insert the TouchWare Disk into a diskette drive.
5. Access the DOS command line prompt.
6. Change to the drive that has the TouchWare diskette. For example, enter **A:** if you inserted the TouchWare diskette in Drive A.

## 4. Using the System

### D. Setup Touchscreen

#### For DOS (Cont.)

7. Type INSTALL followed by the source disk drive, the destination drive, and the destination directory.

For example, the following command copies the files from Drive A (source drive) to Drive C (destination drive) and the \MTS\TOUCH directory :

#### **INSTALL A: C:\MTS\TOUCH**

8. Press Enter. The system reports that it is about to copy the DOS touchscreen files and prompt for confirmation that you want to continue.
9. Press **C** to start the installation.
  - First, the Install program copies all DOS touchscreen files from the TouchWare diskette to the specified destination drive and directory.
  - Next, the Install program automatically searched through the system and configures the touchscreen to the proper COM port, interrupt, and communication rate.
  - Finally, the Install program prompts if you want it to automatically modify your AUTOEXEC.BAT file

If you let the Install program modify your AUTOEXEC.BAT file, the system automatically loads the DOS touchscreen driver whenever you start your computer.

If you do not let the Install program modify your AUTOEXEC.BAT file, you must load the DOS touchscreen driver before using a DOS touch application. For more information, refer to “Loading the DOS Touchscreen Driver” in the next page

## 4. Using the System

### D. Setup Touchscreen

#### For DOS (Cont.)

##### Loading the DOS Touchscreen Driver

After you install the files for the DOS touchscreen driver, you must load the driver before you can run a DOS touch application or open the DOS Touchscreen control panel.

You can run the DOS touchscreen driver from a full-screen DOS session within Windows. However, the Windows touchscreen driver cannot be running. Error message reads: "Windows x.x is running in 386 Enhanced mode. Device not found."

This means either the Windows Touchscreen driver is loaded or the COM port/ IRQ designations are incorrect.

You can manually load the DOS touchscreen driver when needed, or you can let the system automatically load the driver when you start up your computer.

- To manually load the DOS touchscreen driver:
  1. Close all applications and exit from Windows.
  2. Access the DOS command line prompt.
  3. Use the Change Directory (cd) command to switch to the directory that has the DOS touch driver files. By default, the Install program loads TouchWare into the C:\MTS\TOUCH directory.
  4. Type DOSTOUCH and then press Enter. The system displays a message that the driver is now installed. For example:

```
MicroTouch Mouse Emulator - Version x.x
Copyright ©1990 - 1997 MicroTouch Systems, Inc.
Driver Installed
```

- To automatically load the DOS touchscreen driver when you start up your computer, add the following line to your AUTOEXEC.BAT file :

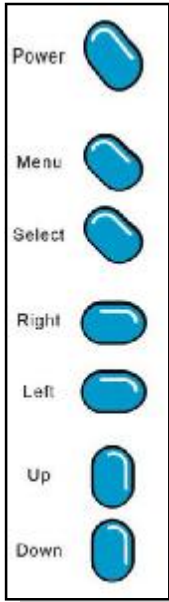
```
drive-designator : \directory\DOSTOUCH
```

where drive-designator and directory define the location (disk and path) of the files for the DOS touchscreen. For example:

**C:\MTS\TOUCH\DOSTOUCH**

# 4. Using the System

## E. OSD Switch



### OSD Buttons (From Top to Bottom)

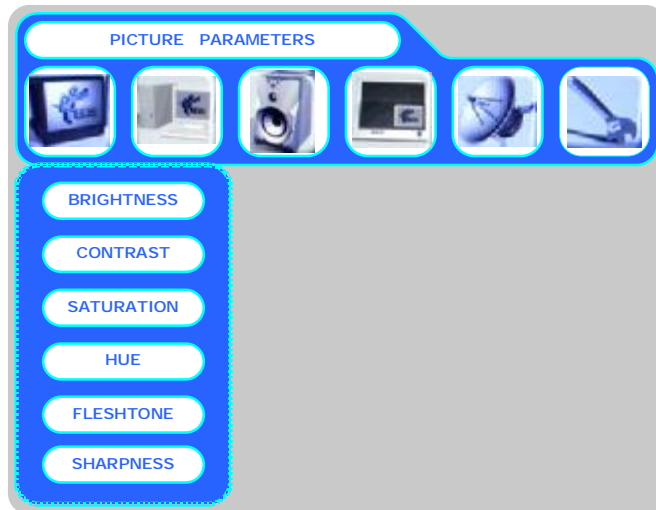
- Power Switch: This button is used to power ON/OFF the LCD
- Menu: This button is used to enter OSD main Menu
- Select: This button is used to select for composite video input, RGB for VGA input , S-Video for S-Video, Scart for Scart signal input, DVI-D for DVI digital signal input and TV( Optional) input.
- Right (à): This button is used to adjust the manual to Right
- Left (℔): This button is used to adjust the manual to Left
- Up (é): This button is used to adjust the manual Upward
- Down(ê): This button is used to adjust the manual Downward

### Steps to enter the OSD for function select:

- Push the “Menu” button to show the OSD on the screen.
- Push ‘â ’ & ‘á ’ to select the suitable category
- Push “ Menu” button twice to enter the category.
- Push ‘â ’,’á ’,’é’ & ‘ä ’ to select the suitable function
- Push “ Select” button to confirm the function and exit the OSD

## 4. Using the System

### F. OSD Control



#### Main Menu

##### **Picture Parameters**

- To enter into the Brightness, Contrast, Saturation, Hue, Color Temp, Flashtone and Sharpness sub-menu

##### **PC Parameters**

- To enter into Auto adjust, Clock, phase, Position and Auto Color sub-menu

##### **Audio Setting**

- To enter into the Bass, Treble, Balance, Volume and Mute sub menu

##### **Picture In Picture (Optional)**

- To enter into the PIP Size and PIP Position sub-menu

##### **Channel Settings (Optional)**

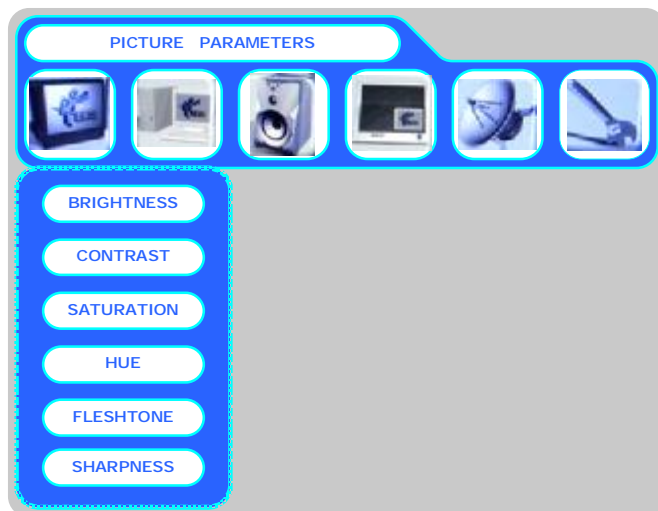
- To enter into the System, Auto Store, Manual Store, Sort and Delete sub-menu

##### **General Settings**

- To enter into the OSD Language, OSD Position, OSD Time out , Sleep Time, I/P Info, Factory Reset, Transparency and Deinterlacer sub-menu

## 4. Using the System

### F. OSD Control



#### Picture Parameters

##### **Brightness**

To perform brightness adjustment of the input signal

Use the Left '←' & Right '→' button to adjust "Brightness" from 0-100

##### **Contrast**

To adjust the contrast level of the input signal

Use the Left '←' & Right '→' button to adjust "Contrast" from 0-100

##### **Saturation**

To adjust the saturation level of the input signal

Use the Left '←' & Right '→' button to adjust "Saturation" from 0-100

##### **Hue**

To adjust the Hue level of the input signal

Use the Left '←' & Right '→' button to adjust "Hue" from (−19)-0-(+19)

##### **Fleshtone**

To on/off the Fleshtone of the input signal

Use the 'Select' to activate the "Fleshtone" function

##### **Sharpness**

To adjust the sharpness level of the input signal

Use the Left '←' & Right '→' button to adjust "Sharpness" from 0-100

## 4. Using the System

### F. OSD Control



#### PC Parameters

##### **Auto**

To perform auto adjustment of the screen output

Use the Left 'á' & Right 'â' button to select Yes/No for “Auto-adjust”

##### **Clock**

To adjust input video sampling clock

Use the Left 'á' & Right 'â' button to adjust “Clock”, from 0-100

##### **Phase**

To adjust input video sampling clock's phase

Use the Left 'á' & Right 'â' button to adjust “phase”, from 0-255

##### **Position**

To adjust the horizontal and vertical position of the frame

Use the L 'á', R 'â', U 'é' & D 'ä' button to adjust “H.position” & “V.position”.

##### **Auto Clock**

To perform auto clock adjustment of the screen output

Use the Left 'á' & Right 'â' button to select Yes/No for “Auto Clock”



## 4. Using the System

### F. OSD Control



#### Audio Settings

##### **Bass**

To adjust the bass level of the output signal

Use the Left '←' & Right '→' button to adjust "Bass" from 0-15

##### **Treble**

To adjust the treble level of the output signal

Use the Left '←' & Right '→' button to adjust "Treble" from 0-15

##### **Balance**

To perform balance adjustment of the output signal

Use the Left '←' & Right '→' button to adjust "Balance" from (-10)-0-(+10)

##### **Volume**

To adjust the volume level of the output signal

Use the Left '←' & Right '→' button to adjust "Volume" from 0-60

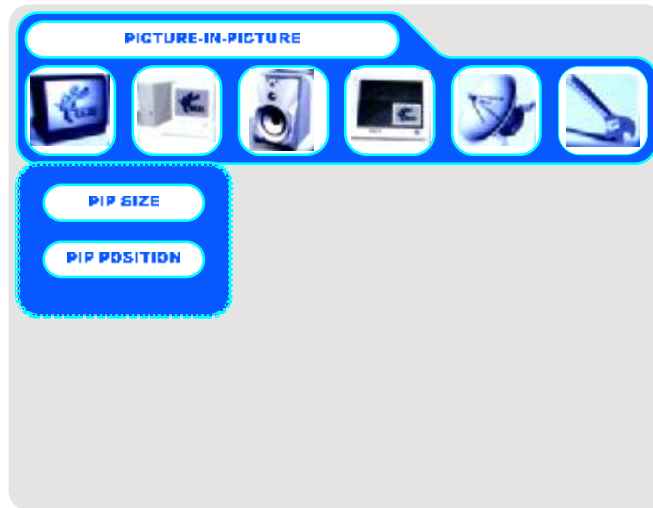
##### **Mute**

To perform Yes/No the mute function of the output signal

Use the Left '←' & Right '→' button to activate the "Mute" function

## 4. Using the System

### F. OSD Control



### Picture-In-Picture

#### **PIP Size**

To perform small picture size selection of the input signal

Use the Up '↑' & Down '↓' button to select the PIP sizes from "Off", " Small", "Medium", " Large", "PAP" & "POP".

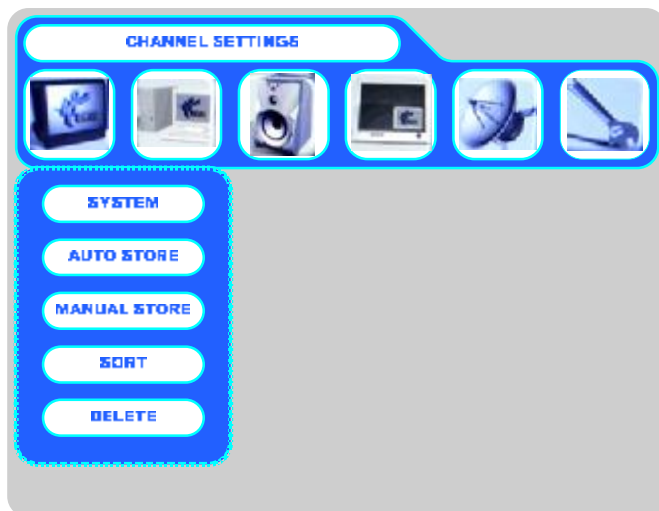
#### **PIP Position**

To perform PIP small picture position of the input signal

Use the Left '←', Right '→' Up '↑' & Down '↓' button to select the PIP position.

## 4. Using the System

### F. OSD Control



#### **Channel Settings**

##### **System**

To perform TV System select for TV signal input

Use the Right 'â' button to enter the NTSC Manu., Then Use U 'é' & D 'ä' button to select suitable Regional NTSC System

##### **Auto Store**

To perform Auto Store function for TV Channel Setting

Use the Left 'á' & Right 'â' button to select Yes/No for Auto Store

##### **Manual Store**

To perform Manual Store function for TV Channel setting

Use the Left 'á' & Right 'â' button to moving the Channel Setting pointer on the Signal Indication Bar.

##### **Sort**

To perform range adjustment for Auto Store base on receivable status of TV Signal

Use the L 'á', R 'â', U 'é' & D 'ä' button to adjust The TV Channel range .

##### **Delete**

To perform delete function for TV Channel Setting

Use the L 'á', R 'â', U 'é' & D 'ä' button for "Channel Setting Delete"

## 4. Using the System

### F. OSD Control



#### General Settings (1)

##### OSD Languages

To perform brightness adjustment of the input signal

Use the Up '↶' & Down '↷' button to select "OSD Language" from:

- (1) English
- (2) Chinese (中文)
- (3) Deutsch
- (4) Francais
- (5) Espanol
- (6) Italiano

##### OSD Position

To perform OSD position of the screen

Use the Left '↶', Right '↷', Up '↶' & Down '↷' button to select the OSD position.

##### OSD Time Out

To perform OSD display time out function

Use the Up '↶' & Down '↷' button to select the time period from "10 Sec", "30 Sec." & "1 Min".

## 4. Using the System

### F. OSD Control

#### **General Settings (2)**

##### **Sleep Time**

To perform Sleep Time setting function

Use the Up '↶' & Down '↷' button to select the time period from "Off", "30 Mins.", "60 Mins." & "120 Mins.".

##### **IP Info**

To perform IP Information display function show in the screen

Show the information about "Source", "Resolution.", "Hsync." & "Vsync.".

##### **Factory Reset**

To perform reactivate to the factory reset function

Use the Left '↵' & Right '↶' button to select Yes/No for "Factory Reset"

##### **Transparency**

To adjust the transparency level of the OSD image

Use the Left '↵' & Right '↶' button to adjust "Transparency" from 0-15

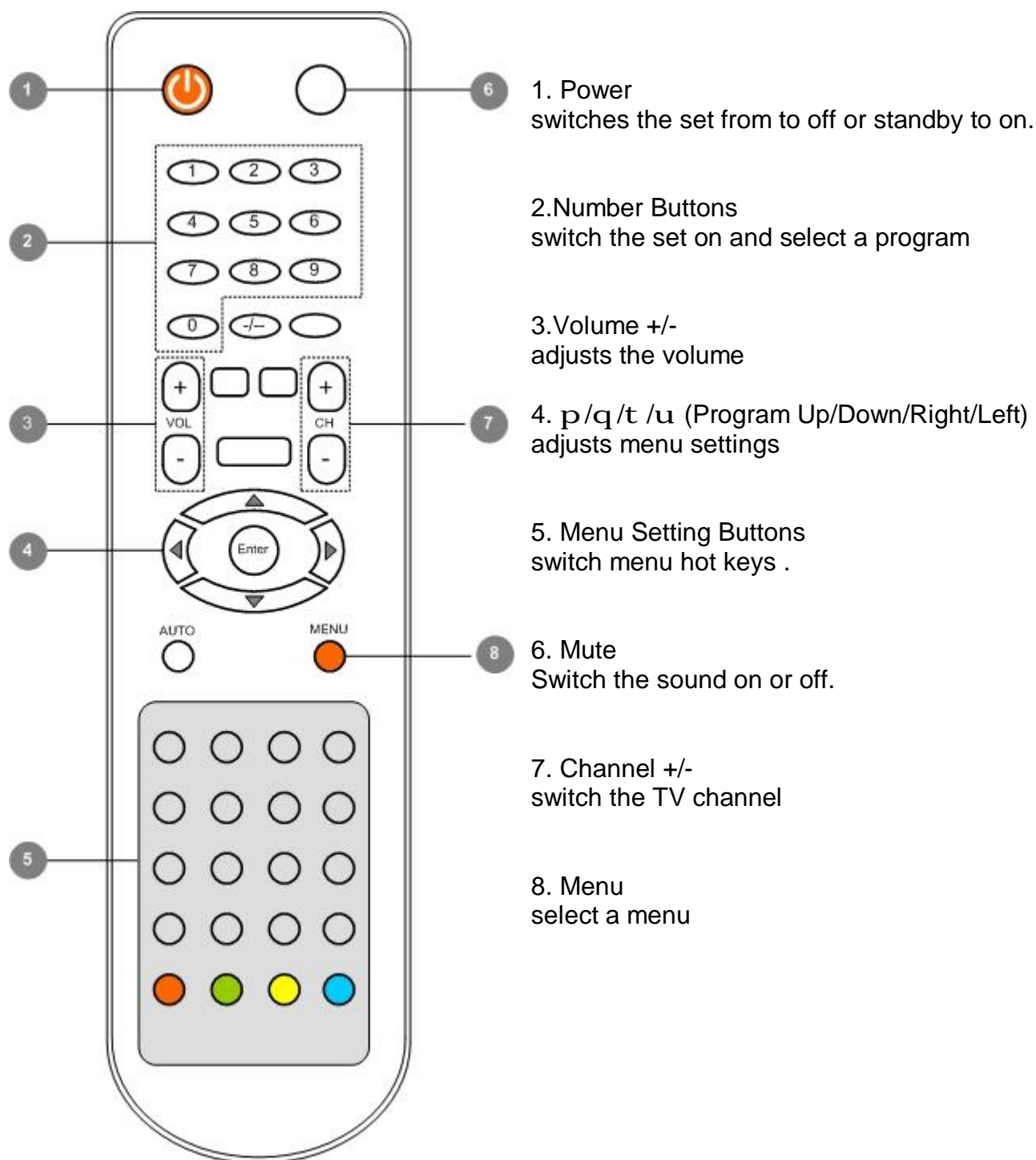
##### **Deinterlacer**

To perform deinterlacer function

Use the Up '↶' & Down '↷' button to select the "MADI", "Motion", "Film Mode" & "LADI".

## 4. Using the System

### G. Remote Control



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